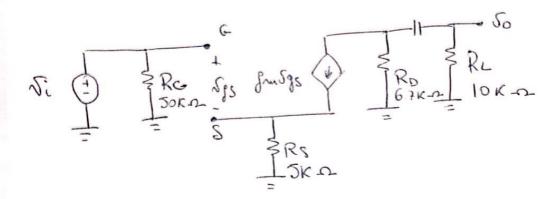
Corner frequencies of a CS amplifier with an output compling De Sketch the low frequency small-signed circuit



b) Shut - down see the independent source and c) repeace the capacita with a probe source Vx (ix).

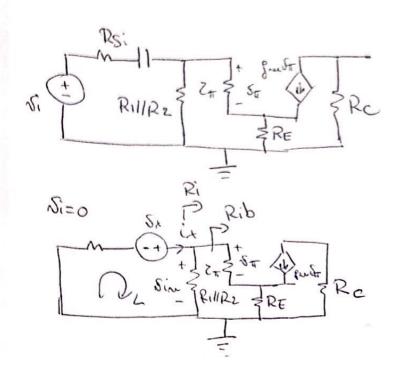
d) Colculate Repc as Ux

SS = RS fmuss = Ns =0

Thus the whanit become

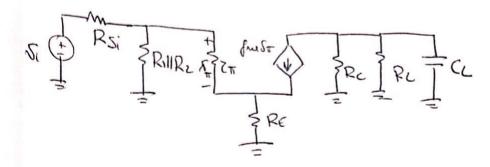
Corner frequencies for a CE surperfier with an imputcompermy compactor and a lood competer.

J.

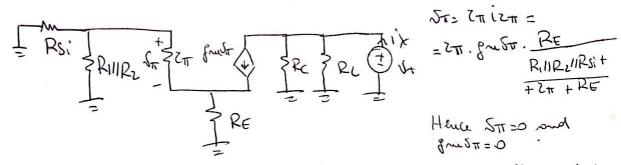


KVL @L

$$Rop_{c} = \frac{Gx}{Gx} = RSi + Ri$$



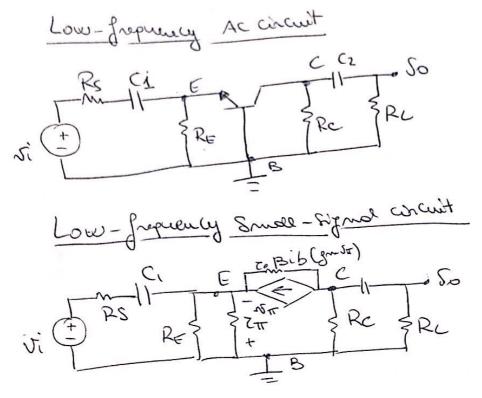
Si =0



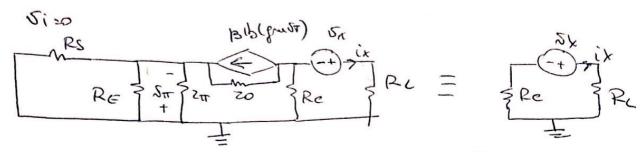
As the dependent current source is determining the sollage shop that controls the current source, finistize. Thus, the circuit leduces to

copacitors.

fl = WL WL? Z I when m is the represent asports at Riching the frequency response at number of copacitors affecting the time constant associated low frequency Am Rici is the time constant associated with copacitor or represent with copacitor ci when all other copacitors are represent with Shat chaits



Ccz = RepczCz



Repcz = 
$$\frac{Sk}{ik}$$
 = RL + RouteB ~ RL + Rc

See extrue 15

See lecture 15

$$\approx \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}}$$

The Smallest copacita will donumble the · low frequency response as all resistors have comparable solves, typically.